

Junyi Zhu - CV

Assistant Professor
Electrical Engineering & Computer Science Department
University of Michigan
1301 Beal Ave, Ann Arbor, MI 48109
zhujunyi@umich.edu, <https://www.junyi-zhu.com>, <https://sixlab-eeecs.com>

Education

- Massachusetts Institute of Technology, USA** 2019 - 2024
Ph.D. in Computer Science
MIT EECS Department, MIT Computer Science and Artificial Intelligence Lab
Advisor: Professor Stefanie Mueller
- Massachusetts Institute of Technology, USA** 2017 - 2019
Master of Science in Computer Science
MIT EECS Department, MIT Computer Science and Artificial Intelligence Lab
Advisor: Professor Stefanie Mueller
- University of Washington, USA** 2013 - 2017
Bachelor of Science in Electrical Engineering
Department of Electrical & Computer Engineering
Advisor: Professor Joshua R. Smith, Professor Shwetak N. Patel

Full Paper Publications

- [23] Marwa AlAlawi, Regina Zheng, Abdullah Negm, Jiaji Li, Emma Li, Yasuaki Kakehi, Yoshihiro Kawahara, **Junyi Zhu**, Ticha Sethapakdi, and Stefanie Mueller. Bifur-circuits: Interactive and Modular Metamaterial Building Blocks via Bifurcated Geometries. In *Proceedings of the 39th Annual ACM Symposium on User Interface Software and Tech.* (UIST '26). ACM.
- [22] Zhikai Qin, Siqi Zhang, **Junyi Zhu**, and Justin Chan. WeeCare: Towards Handheld Bladder Fullness Sensing with a Conformable Pad. In *Proceedings of the 2026 ACM International Symposium on Wearable Computers* (ISWC '26). ACM.
- [21] Tianyu Xu, Sieun Kim, Qianhui Zheng, Ruoyu Xu, Tejasvi Ravi, Anuva Kulkarni, Katrina Passarella-Ward, **Junyi Zhu***, and Adarsh Kowdle*. MoXaRt: Audio-Visual Object-Guided Sound Interaction for XR. In *Proceedings of the 2026 CHI Conference on Human Factors in Computing Systems* (CHI '26). ACM. (*co-last authors)
- [20] Zisu Li, Ruohao Li, Jiawei Li, Chao Liu, **Junyi Zhu**, Daniela Rus, Chen Liang, and Mingming Fan. RealTwin: Concept Graph Representation and Grounding Framework for Reality-Preserving Digital Twin Reconstruction. In *Proceedings of the 2026 CHI Conference on Human Factors in Computing Systems* (CHI '26). ACM.
- [19]  Devin Murphy, **Junyi Zhu**, Akshay Gadre, Antonio Torralba, Paul Pu Liang, Wojciech Matusik, and Yiyue Luo. WiReSens Toolkit: An Open-source Platform towards Accessible Wireless Tactile Sensing. In *Proceedings of the 20th International Conference on Tangible, Embedded, and Embodied Interaction* (TEI '26). ACM. **[Best Demo Honorable Mention]**
- [18] Hongrui Wu*, Feier Long*, Hongyu Mao, JaeYoung Moon, **Junyi Zhu†**, Yiyue Luo†. BandEI: A Flexible Electrical Impedance Sensing Bandage for Deep Muscles and Tendons. In *Proceedings of the 38th Annual ACM Symposium on User Interface Software and Tech.*

- (UIST '25). ACM. ([†]co-last authors)
- [17] Marwa AlAlawi, Regina Zheng, SooYeon Ahn, Katherine Arianna Yan, Ticha Sethapakdi, **Junyi Zhu**^{*}, Stefanie Mueller^{*}. Meta-antenna: Mechanically Frequency Reconfigurable Metamaterial Antennas. In *Proceedings of the 38th Annual ACM Symposium on User Interface Software and Tech.* (UIST '25). ACM. (^{*}co-last authors)
 - [16] **Junyi Zhu**, Tianyu Xu, Jiayu Wang, Emily Guan, JaeYoung Moon, Stiven Morvan, D Shin, Andrea Colaço, Stefanie Mueller, Karan Ahuja, Yiyue Luo, Ishan Chatterjee. EI-Lite: Electrical Impedance Sensing for Micro-gesture Recognition and Pinch Force Estimation. In *Proceedings of the 38th Annual ACM Symposium on User Interface Software and Tech.* (UIST '25). ACM.
 - [15] Yunyi Zhu, Cedric Honnet, Yixiao Kang, **Junyi Zhu**, Angelina Zheng, Kyle Heinz, Grace Tang, Luca Musk, Michael Wessely, Stefanie Mueller. PortaChrome: A Portable Contact Light Source for Integrated Re-Programmable Multi-Color Textures. In *Proceedings of the 37th Annual ACM Symposium on User Interface Software and Tech.* (UIST '24). ACM.
 - [14] **Junyi Zhu**^{*}, Young Joong Lee^{*}, Yiyue Luo^{*}, Tianyu Xu, Chao Liu, Daniela Rus, Stefanie Mueller and Wojciech Matusik. Liquids Identification and Manipulation via Digitally Fabricated Impedance Sensors. In *2024 IEEE International Conference on Robotics and Automation (ICRA)*. IEEE.
 - [13] Alexander Kyu^{*}, Hongyu Mao^{*}, **Junyi Zhu**, Mayank Goel and Karan Ahuja. EITPose: Wearable and Practical Electrical Impedance Tomography for Continuous Hand Pose Estimation. In *Proceedings of the 2024 CHI Conference on Human Factors in Computing Systems* (CHI '24). ACM.
 - [12] Yiyue Luo, **Junyi Zhu**, Kui Wu, Cedric Honnet, Stefanie Mueller and Wojciech Matusik. MagKnitic: Machine-knitted Passive and Interactive Haptic Textiles with Integrated Binary Sensing. In *Proceedings of the 36th Annual ACM Symposium on User Interface Software and Technology* (UIST '23). ACM.
 - [11] Donghyeon Ko, Yoonji Kim, **Junyi Zhu**, Michael Wessely, Stefanie Mueller. FlexBoard: A Flexible Breadboard for Interaction Prototyping on Curved and Deformable Surfaces. In *Proceedings of the 2023 CHI Conference on Human Factors in Computing Systems* (CHI '23). ACM.
 - [10] Marwa AlAlawi, Noah Pacik-Nelson, **Junyi Zhu**, Ben Greenspan, Andrew Doan, Brandon M Wong, Benjamin Owen-Block, Shanti Mickens, Wilhelm Schoeman, Michael Wessely, Andreea Danielescu, Stefanie Mueller. MechSense: A Design and Fabrication Pipeline for Integrating Rotary Encoders into 3D Printed Mechanisms. In *Proceedings of the 2023 CHI Conference on Human Factors in Computing Systems* (CHI '23). ACM.
 - [9] **Junyi Zhu**, Yuxuan Lei, Aashini Shah, Gila R. Schein, Hamid Ghaednia, Joseph H. Schwab, Casper Harteveld, Stefanie Mueller. MuscleRehab: Improving Unsupervised Physical Rehabilitation by Monitoring and Visualizing Muscle Engagement. In *Proceedings of the 35th Annual ACM Symposium on User Interface Software and Technology* (UIST '22). ACM.
 - [8] Yoonji Kim, **Junyi Zhu**, Mihir Trivedi, Dishita G. Turakhia, Ngai Hang Wu, Donghyeon Ko, Michael Wessely, Stefanie Mueller. SensorViz: Visualizing Sensor Data Across Differ-

ent Stages of Prototyping Interactive Objects. In *Proceedings of the 2022 ACM Designing Interactive Systems Conference (DIS '22)*. ACM.

- [7] **Junyi Zhu**, Jackson Snowden, Joshua Verdejo, Emily Chen, Hamid Ghaednia, Joseph H. Schwab, Stefanie Mueller. EIT-kit: An Electrical Impedance Tomography Toolkit for Health and Motion Sensing. In *Proceedings of the 34th Annual ACM Symposium on User Interface Software and Technology (UIST '21)*. ACM.
- [6] **Junyi Zhu**, Yunyi Zhu, Jiaming Cui, Leon Cheng, Jackson Snowden, Mark Chounlakone, Michael Wessely, Stefanie Mueller. MorphSensor: A 3D Electronic Design Tool for Reforming Sensor Modules. In *Proceedings of the 33rd Annual ACM Symposium on User Interface Software and Technology (UIST '20)*. ACM.
- [5] **Junyi Zhu**, Lotta-Gili Blumberg, Yunyi Zhu, Martin Nisser, Ethan Carlson, Xin Wen, Kevin Shum, Jessica Quaye, Stefanie Mueller. CurveBoards: Integrating Breadboards into Physical Objects to Prototype Function in the Context of Form. In *Proceedings of the 2020 CHI Conference on Human Factors in Computing Systems (CHI '20)*. ACM.
- [4] Martin Nisser, **Junyi Zhu**, Tianye Chen, Katarina Bulovic, Parinya Punpongsanon, Stefanie Mueller. Sequential Support: 3D Printing Dissolvable Support Material for Time-Dependent Mechanisms. In *Proceedings of the Thirteenth International Conference on Tangible, Embedded, and Embodied Interaction (TEI '19)*. ACM.
- [3]  Edward Wang, **Junyi Zhu**, Mohit Jain, Tien-Jui Lee, Elliot Saba, Lama Nachman, Shwetak N. Patel. Seismo: Blood Pressure Monitoring using Built-in Smartphone Accelerometer and Camera. In *Proceedings of the 2018 CHI Conference on Human Factors in Computing Systems (CHI '18)*. ACM. **[Best Paper Honorable Mention]**
- [2] Edward Wang, William Li, **Junyi Zhu**, Rajneil Rana, Shwetak N. Patel. Noninvasive hemoglobin measurement using unmodified smartphone camera and white flash. In *2017 39th Annual International Conference of the IEEE Engineering in Medicine and Biology Society (EMBC)*, Seogwipo, 2017.
- [1] Edward Wang, **Junyi Zhu**, William Li, Rajneil Rana, Shwetak Patel. HemaApp IR: noninvasive hemoglobin measurement using unmodified smartphone cameras and built-in LEDs. In *Proceedings of the 2017 ACM International Joint Conference on Pervasive and Ubiquitous Computing and Proceedings of the 2017 ACM International Symposium on Wearable Computers (UbiComp '17)*. ACM.

Short Papers, Extended Abstracts & Demonstrations

- [15] Zhanpeng Jin, Yang Gao, Uichin Lee, Sicong Liu, Dong Ma, **Junyi Zhu**, Qian Zhang, Jagmohan Chauhan, and Huatao Xu. WearAgent 2026: The 1st International Workshop on Interactive AI for Personal Wearable Agents. In *Companion Publication of the 2026 ACM International Joint Conference on Pervasive and Ubiquitous Computing (UbiComp/ISWC '26 Companion)*. ACM.
- [14] Chankyu Han, Hongyu Mao, Qiuyue Xue, Ishan Chatterjee, Liang He, Xuhai Xu, **Junyi Zhu** and Yiyue Luo. Everyday Wearable for Personalized Health and Well-Being. In *Extended Abstracts of the 2026 CHI Conference on Human Factors in Computing Systems (CHI EA '26)*. ACM.
- [13] Marwa AlAlawi, Regina Zheng, SooYeon Ahn, Katherine Arianna Yan, Ticha Sethapakdi,

- Junyi Zhu***, Stefanie Mueller*. Demonstration of Meta-antenna: Mechanically Frequency Reconfigurable Metamaterial Antennas. In *Proceedings of the 38th Annual ACM Symposium on User Interface Software and Tech.* (UIST '25 Adjunct). ACM. (*co-last authors)
- [12] Hongyu Mao, Alexander Kyu, **Junyi Zhu**, Mayank Goel, Karan Ahuja. Demo of EITPose: Wearable and Practical Electrical Impedance Tomography for Continuous Hand Pose Estimation. In *Adjunct Proceedings of the 37th Annual ACM Symposium on User Interface Software and Technology* (UIST'24 Adjunct). ACM.
- [11] Yunyi Zhu, Cedric Honnet, Yixiao Kang, **Junyi Zhu**, Angelina heng, Kyle Heinz, Grace Tang, Luca Musk, Michael Wessely, Stefanie Mueller. Demo of PortaChrome: A Portable Contact Light Source for Integrated Re-Programmable Multi-Color Textures. In *Adjunct Proceedings of the 37th Annual ACM Symposium on User Interface Software and Technology* (UIST'24 Adjunct). ACM.
- [10] Yunyi Zhu, Cedric Honnet, Yixiao Kang, **Junyi Zhu**, Angelina J. Zheng, Kyle Heinz, Grace Tang, Luca Musk, Michael Wessely and Stefanie Mueller. 2023. Demonstration of ChromoCloth: Re-Programmable Multi-Color Textures through Flexible and Portable Light Source. In *Adjunct Publication of the 36th Annual ACM Symposium on User Interface Software and Technology* (UIST '23 Adjunct). ACM.
- [9] Donghyeon Ko, Yoonji Kim, **Junyi Zhu**, Michael Wessely and Stefanie Mueller. 2023. Demonstration of FlexBoard: A Flexible Breadboard for Interaction Prototyping on Curved and Deformable Surfaces. In *Extended Abstracts of the 2023 CHI Conference on Human Factors in Computing Systems* (CHI EA '23). ACM
- [8] Xinyi Yang, Katarina Bulovic, Susanna Chen, **Junyi Zhu** and Stefanie Mueller. 2023. Azimuth Calculation and Telecommunication between VR Headset and Smartphones for Nearby Interaction. In *Proceedings of the Seventeenth International Conference on Tangible, Embedded, and Embodied Interaction* (TEI '23 Work in Progress). ACM.
- [7] **Junyi Zhu**. 2022. Design and Fabricate Personal Health Sensing Devices. In *Adjunct Publication of the 35th Annual ACM Symposium on User Interface Software and Technology* (UIST '22 Adjunct). ACM.
- [6] **Junyi Zhu**, Yuxuan Lei, Aashini Shah, Gila Schein, Hamid Ghaednia, Joseph H. Schwab, Casper Hartevelt, Stefanie Mueller. Monitoring Muscle Engagement via Electrical Impedance Tomography for Unsupervised Physical Rehabilitation. In *Proceedings of the 35th Annual ACM Symposium on User Interface Software and Technology* (UIST '22). ACM.
- [5] **Junyi Zhu**, Liang He, Jun Nishida, Hamid Ghaednia, Hsin-Liu (Cindy) Kao, Jon E. Froehlich, Edward Wang, and Stefanie Mueller. 2022. SIG: Towards More Personal Health Sensing. In *CHI Conference on Human Factors in Computing Systems Extended Abstracts* (CHI EA '22). ACM.
- [4] Cedric Honnet, Yunyi Zhu, **Junyi Zhu**, Michael Wessely and Stefanie Mueller. 2022. WearaFab: Digital Fabrication for Wearables Toolkits. In *CHI Conference on Human Factors in Computing Systems Extended Abstracts* (CHI EA '22). ACM.
- [3] **Junyi Zhu**, Jackson Snowden, Joshua Verdejo, Emily Chen, Hamid Ghaednia, Joseph H. Schwab, and Stefanie Mueller. 2021. EIT-kit Demo: An Electrical Impedance Tomography Toolkit for Health and Motion Sensing. In *Adjunct Publication of the 34th Annual ACM Symposium on User Interface Software and Technology* (UIST '21). ACM.
- [2] **Junyi Zhu**, Yunyi Zhu, Jiaming Cui, Leon Cheng, Jackson Snowden, Mark Chounlakone,

Michael Wessely and Stefanie Mueller. 2020. Demonstration of MorphSensor: A 3D Electronic Design Tool for Reforming Sensor Modules. In *Adjunct Publication of the 33rd Annual ACM Symposium on User Interface Software and Technology* (UIST '20). ACM.

- [1] **Junyi Zhu**, Lotta Blumberg, Yunyi Zhu, Martin Nisser, Ethan Carlson, Xin Wen, Kevin Shum, Jessica Quaye, Stefanie Mueller. CurveBoards Demo: Integrating Breadboards into Physical Objects to Prototype Function in the Context of Form. In *Extended Abstracts of the 2020 CHI Conference on Human Factors in Computing Systems* (CHI EA '20). ACM.

Patents

- [2] Ishan Chatterjee, Junyi Zhu, Stiven Morvan, Tianyu Xu, Karan Ahuja, Andrea Colaco, and Dongeek Shin. Micro-gesture Sensor Using Reduced-count Electrodes. U.S. Patent Application No. GP-309460-00-US/ G25020F-US. (*Pending*)
- [1] **Junyi Zhu**, Stiven Morvan, Dongeek Shin, Andrea Colaco, Sambuddha Basu, Sean Bae. Full Hand Kinematic Reconstruction Using Electrical Impedance Tomography Wearable. U.S. Patent Application No. 63/387,443; No. 18/537,224; Pub. No. US 2024/0201792.

Conference Service

Organizing Committee

ACM UIST, Demo Chair	2026
ACM CHI, Demo Jury	2026
ACM CHI, Session Chair	2023 - 2026
ACM UIST, Session Chair	2025
ACM UIST, Video Chair	2024
ACM UIST, Video Previews Chair	2022 - 2023

Associate Chair / Associate Editor

ACM CHI	2025 - 2026
ACM UIST	2025 - 2026
ACM IMWUT	2025 - 2026
ACM DIS	2026
ACM CHI Workshops	2023
ACM TEI	2023
ACM CHI Late Breaking Work	2021

Reviewer

ACM CHI	2020 - 2025
ACM UIST	2020 - 2025
ACM IMWUT	2020 - 2025
ACM TEI	2020 - 2024
ACM ISS	2020

Volunteering

ACM CHI Student Volunteer	2020
ACM CHI Program Committee Meeting, Subcommittee Chair Assistant	2019

Research Internships

Google AR Team , Google LLC Research Intern, Mountain View, CA Office Advisor: Dr. Andrea Colaco & Dr. D. Shin	2022 - 2023
UW Ubicomp Lab , University of Washington Research Assistant, Paul G. Allen School of Computer Science & Engineering	2016 - 2017

Advisor: Professor Shwetak Patel

UW SEAL Lab, University of Washington 2016
Research Assistant, Department of Electrical & Computer Engineering
Advisor: Professor Alexander V. Mamishev

Exposure Sciences Group, University of Washington 2016
Research Assistant, School of Public Health
Advisor: Professor Edmund Seto

Senosis Health, Seattle, USA 2016 - 2017
Software Engineer, supervisor: Mike Clarke

Jiangsu SEUIC Technology Co., Ltd, China 2015
Software Engineer, supervisor: Prof. Chen Hu (Southeast University, China)

Invited Talks

IEEE RoboSoft 2026 Workshop, Kanazawa, Japan. *EIT-kit: the hardware, the applications, and the on-going development.* Hosted by Fumiya Iida, University of Cambridge. 2026

Forum on Future Interaction: Reimagining Human-AI Relationships, Yokohama Japan. *Towards Regional Health and Medical Monitoring Systems that Adapt to Individual Variance in the Age of AI.* Hosted by Prof. Shengdong Zhao, City University of Hong Kong. 2025

University of Washington, Electrical and Computer Engineering Department. *Research Seminar on Wearable Intelligence: Health Sensing*, hosted by Prof. Yiyue Luo 2024

Zhejiang University, College of Computer Science and Technology. *Personal Health and Medical Monitoring Systems that Adapt to Individual Variance*, hosted by Prof. Guanyun Wang 2024

MIT Digital Health and Wellness Seminar. *Keynote Speaker*, hosted by Prof. Rosalind Picard 2024

Carnegie Mellon University, School of Computer Science, Human Computer Interaction Institute. *From Systemic to Regional: Personal Health and Medical Monitoring Systems that Adapt to Individual Variance*, hosted by Prof. Alexandra Ion 2024

Cornell University, Human Centered Design Department. *From Systemic to Regional: Personal Health and Medical Monitoring Systems that Adapt to Individual Variance*, hosted by Prof. Gary Evans 2024

Emory University, Computer Science Department. *From Systemic to Regional: Personal Health and Medical Monitoring Systems that Adapt to Individual Variance*, hosted by Prof. Yolanda Rankin 2024

Harvard Medical School, The 10th Annual International Symposium on Regenerative Rehabilitation. *Active Impedance Sensing for Muscle Engagement Monitoring*, hosted by Prof. Fabrisia Ambrosio 2024

University of Michigan, Electrical Engineering and Computer Science Department. *From Systemic to Regional: Personal Health and Medical Monitoring Systems that Adapt to Individual Variance*, hosted by Prof. Robert Dick 2024

New York University, Computer Science and Engineering Department. *From Systemic to Regional: Personal Health and Medical Monitoring Systems that Adapt to Individual Variance*, hosted by Prof. Claudio Silva 2024

University of Notre Dame, Computer Science and Engineering Department. *Towards Personal Health and Medical Monitoring Systems*, hosted by Prof. Walter Scheirer 2024

Zhejiang University, School of Software Technology. *Towards Personal Health and Medical Monitoring Network*, hosted by Prof. Mengru Xue 2024

University of California, Berkeley, Hybrid Ecologies Lab. *Towards Personal Health and Medical Monitoring Network*, hosted by Prof. Eric Paulos 2023

Stanford University, SHAPE Lab. *Towards Personal Health and Medical Monitoring Network*, hosted by Prof. Sean Follmer 2023

Tsinghua Youth Talent Development Seminar. *Bridging Between Clinical and Daily Environment: Design and Fabricate Personal Health Sensing Devices.* hosted by Department of Computer Science and Technology, Tsinghua University 2023

International Youth Festival on Design Futures, Smart & Digital Futures. *Digital Healthcare: Future Personal Health Sensing Devices,* hosted by Dr. Yuqi Liu, Tsinghua University 2022

Google LLC, AR Perception Team. *Electrical Impedance Tomography: Introduction, Implementation, and Intuitions,* hosted by Dr. D. Shin 2022

University of Illinois at Urbana-Champaign, Coordinated Science Laboratory. *Building Personal Physical Rehabilitation Monitoring Devices,* hosted by CSLSC 2022

University of Chicago, Human Computer Integration Lab. *Towards More Personal Health Sensing Devices,* hosted by Prof. Pedro Lopes 2021

MIT, MIT Nano Explorations. *Integrating Object Form and Electronic Function in Rapid Prototyping and Personal Fabrication,* hosted by Prof. Vladimir Bulović 2020

Harvard University, Graduate School of Design, hosted by Prof. Krzysztof Wodiczko 2018

Awards and Honors

Best Demo Honorable Mention, ACM TEI 2026

Siebel Scholars, Thomas and Stacey Siebel Foundation, 2022 - 2023

Thomas Stockham Jr. Fellowship, MIT, 2021 - 2022

Frederick C. Hennie III Teaching Award, MIT EECS Department, 2021

Best Paper Nominee, ACM CHI 2018

Seneff-Zue Computer Science Fellowship Award, MIT, 2017 - 2018

Dean's List, University of Washington, 2013 – 2017

Selected Press

MIT News. A shape-changing antenna for more versatile sensing and communication 2025

University of Michigan News. Q&A with new faculty member Junyi Zhu. 2025

MIT News. A portable light system that can digitize everyday objects. 2024

University of Michigan News. Welcome to our new faculty (2024-2025) 2024

MIT News. Toward more flexible and rapid prototyping of electronic devices. 2023

MIT News. 3D-printed revolving devices can sense how they are moving. 2023

Medical Design & Outsourcing. MIT researchers seek to ‘see’ inside the body during rehab. 2022

Hackster.io. MuscleRehab Provides an Inside Look at What Your Muscles Do During Physiotherapy and More. 2022

MIT News. MIT system “sees” the inner structure of the body during physical rehab. 2022

Healthcare IT News. MIT, MGH create VR system to advance physical therapy at home. 2022

Medical Design & Outsourcing. MIT researchers seek to ‘see’ inside the body during rehab. 2022

MIT News. Making health and motion sensing devices more personal. 2021

Yahoo News, MIT's toolkit lets anyone design their own muscle-sensing wearables. 2021

Hackster.io. It's What's on the Inside That Counts. 2021

Espressif Systems. ESP32-powered Electrical Impedance Tomography Toolkit by MIT. 2021

MIT News. A hands-on class responds to Covid.	2021
Engadget, MIT's toolkit lets anyone design their own muscle-sensing wearables.	2021
MIT News. Electronic design tool morphs interactive objects.	2020
MIT News. Integrating Electronics onto Physical Prototypes.	2020
Hackster.io. Prototype Like a Pro.	2020
3D Printing Industry. MIT RESEARCHERS DEVELOP NOVEL 3D DESIGN SOFTWARE FOR EM-BEDDED ELECTRONICS.	2020
UW ECE Spotlight. ECE alum Junyi Zhu integrates electronics onto physical prototypes at MIT with “CurveBoards”.	2020
ACM TechNews. 3D-printed CurveBoards enable easier testing of circuit design on products.	2020
Inverse. TIRED: BREADBOARDS. WIRED: CURVEBOARDS.	2020
GeekWire. Google buys Seattle health monitoring startup Senosis, bolstering digital health push	2017
MIT Technology Review. How to make a smart phone detect anemia.	2016

Mentoring

Ph.D. Students

[5]	Mingzhuo Ma	2026 - ongoing
[4]	Kaiyi Guo	2026 - ongoing
[3]	Jiale Zhang	2025 - ongoing
[2]	Sieun Kim	2025 - ongoing
[1]	Jisu Yim	2025 - ongoing

Master Thesis

[8]	Rana Kamh	2026 - ongoing
[7]	Zhiyu Jia	2025 - 2026
[6]	Shufeng Yin	2025 - 2026
[5]	Ruowang Zhang	2023 - 2024
[4]	Gila R Schein	2022 - 2023
[3]	Yuxuan Lei	2021 - 2022
[2]	Joshua Verdejo	2020 - 2021
[1]	Lotta G. Blumberg	2018 - 2019

Research Project Undergraduate Students (SuperUROPs, UROPs, SUREs etc.)

[30]	Yi Rong	2026	[15]	Sloke Shrestha	2021
[29]	Sophie Yang	2026	[14]	Emily Chen	2021
[28]	Amanda Xia	2025-2026	[13]	Gila R Schein	2020
[27]	Felix Lu	2025-2026	[12]	Jenny Chen	2020
[26]	William Shen	2025-2026	[11]	Jackson Snowden	2020
[25]	Qianhui Zheng	2025-2026	[10]	Jiaming Cui	2019-2020
[24]	Lingxiao Yang	2025-2026	[9]	Mark Chounlakone	2019
[23]	Alan Murillo-soto	2025	[8]	Jessica Ayeley Quaye	2019
[22]	Daniel Chen	2025	[7]	Ethan Levi Carlson	2019
[21]	Emily Guan	2024-2025	[6]	Xin Wen	2019
[20]	Jiayu Wang	2023-2025	[5]	Kevin Shum	2019
[19]	Masarah Ahmedhussain	2023	[4]	Leon Cheng	2019-2020
[18]	Malinda Lu	2023	[3]	Yunyi Zhu	2018-2020
[17]	Aashini Shah	2022	[2]	Katharina Bulovic	2018
[16]	Zipei Tan	2021	[1]	Tianye Chen	2018

Teaching

Instructor / Co-Instructor

[4]	373	Introduction to Embedded System Design, UMich	2025 - ongoing
[3]	498/598	How to Make (almost) Anything Interactive, UMich	2025 - ongoing
[2]	373	Introduction to Embedded System Design, UMich	Winter 2025
[1]	6.810	Engineering Interactive Technologies, MIT	Autumn 2021

Teaching Assistant

[5]	6.810	Engineering Interactive Technologies, MIT	Autumn 2020
[4]	6.810	Engineering Interactive Technologies, MIT	Autumn 2018
[3]	CSE/EE 474	Introduction to Embedded Systems, UW	Autumn 2016
[2]	CSE/EE 472	Introduction to Embedded Systems, UW	Summer 2016
[1]	CSE/EE 371	Design of Digital Circuits and Systems, UW	Spring 2016

Lectures

ILP	Leading Edge Webinar, Active Sensing Wearable Devices, MIT	Spring 2024
6.810	Engineering Interactive Technologies, Health Sensing, MIT	Autumn 2020
6.810	Engineering Interactive Technologies, Computer Vision Workshop, MIT	Autumn 2018

References

Stefanie Mueller

Associate Professor, MIT
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Mayank Goel

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Andrea Colaço

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